AMENDMENTS TO THE CLAIMS:

This listing will replace all prior versions of claims in the above-referenced application.

Listing of Claims:

1. (Currently amended) An LCD control unit for driving an LCD panel in an LCD device, said LCD control unit, comprising:

a signal controller for generating a voltage address signal and a polarity control signal;

a voltage generator block for generating a plurality of (n) γ-voltage levels and a plurality of (m) Vcom-voltage levels[[,]];

a voltage selecting block for selecting a specified number of said γ-voltage levels and one of said Vcom-voltage levels based on said polarity control signal to output said specified number of γ-correction voltages and a Vcom voltage, wherein output of said voltage ~~selecting~~ generating block is selected by said voltage selecting block from said plurality of (n) γ-voltage levels and said plurality of (m) Vcom-voltage levels according to a value of said voltage address signal[[;]], and wherein said voltage selecting block includes an impedance converter, ~~coupled to said output of said voltage selecting block~~ having at least one operational amplifier to receive said γ-voltage levels and said Vcom-voltage levels, to convert internal impedances of the γ-voltage levels and the Vcom-voltage levels and generate said specified number of said γ-correction voltages and said Vcom voltage according to a value of said polarity signal; and

an LCD driver for generating a set of display data signals based on a set of external data signals, wherein said LCD driver receives said specified number of said γ-correction voltages output from said voltage selecting block and includes a γ-correction section for correcting voltages of said display data signals based on said specified number of said γ-correction voltages.

2. (Original) The LCD control unit as defined in claim 1, wherein said voltage address signal and said polarity control signal are generated based on a software as time series signals.

3. (Previously Presented) The LCD control unit as defined in claim 1, wherein said voltage generator block includes a resistor string for generating n × L voltage levels, n first decoders for selecting said n γ-voltage levels from said n × L voltage levels based on said voltage address signal, and m second decoders for selecting said m Vcom-voltage levels from said n × L voltage levels based on said voltage address signal, given number L being an integer.

4. (Original) The LCD control unit as defined in claim 1, wherein said specified number of γ-correction voltages are a pair of γ-correction voltages.

5. (Original) The LCD control unit as defined in claim 4, wherein said voltage selecting block alternately selects said pair of γ-correction voltages having a positive polarity and said pair of γ-correction voltages having a negative polarity, with respect to said Vcom voltages.

6. (Original) The LCD control unit as defined in claim 1, wherein said voltage generator block includes a resistor string for generating a plurality of voltage levels, a decoder for decoding said voltage address signal, and a selector for selecting one of said γ-voltage levels or one of said Vcom voltage levels.

7. (Original) The LCD control unit as defined in claim 1, wherein said LCD control unit is a one-chip IC.

Claims 8 - 11 (Cancelled)

12. (Currently amended) A display control unit for driving a display panel in a display device, said display control unit comprising:

a signal controller for generating a voltage address signal and a polarity control signal;

a voltage generator block for generating a plurality of (n) γ-voltage levels and a plurality of (m) Vcom-voltage levels;

a voltage selecting block coupled to said voltage generator block, wherein an output of said voltage ~~selecting~~ generating block is selected by said voltage selecting block from said plurality of (n) γ-voltage levels and said plurality of (m) Vcom-voltage levels according to a value of said voltage address signal[[;]], and wherein said voltage selecting block includes an impedance converter, ~~coupled to said output of said voltage selecting block~~ having at least one operational amplifier to receive said γ-voltage levels and said Vcom-voltage levels, to convert internal impedances of the γ-voltage levels and the Vcom-voltage levels and generate a specified number of γ-correction voltages and one of said Vcom-voltages according to a value of said polarity signal; and

a display driver for generating a set of display data signals based on a set of external data signals, wherein said display driver receives said specified number of said γ-correction voltages output from said impedance converter and includes a γ-correction section for correcting voltages of said display data signals based on said specified number of said γ-correction voltages.

13. (Previously presented) The display control unit as defined in claim 12, wherein said γ-correction section generates a plurality of voltages based on said specified number of said γ-correction voltages, and said voltages of display data signals are selected from said plurality of voltages based on said set of external data signals.